Modifications from London ODF versions are highlighted in green

Olympic Data Feed

Baku 2015

ODF Synchronised Swimming Data Dictionary

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Technology and Information Department

Baku 2015
1ST EUROPEAN GAMES

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TABLE OF CONTENT

1 Introduction

1.1 This document

This document includes the ODF Synchronised Swimming Data Dictionary. This Data Dictionary refines the messages described in the ODF1 General Messages Interface Document specifically for Synchronised Swimming, as well as defines the codes used in these messages.

1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Synchronised Swimming Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Synchronised Swimming competition is run.

1.3 Main Audience

The main audience of this document is the IOC as the ODF promoter, ODF users such as the News and Press Agencies, Rights Holding Broadcasters and European Sports Federations.

1.4 Glossary

The following abbreviations are used in this document

- **EF –** European Federation
- **EOC –** European Olympic Committee
- **NOC –** National Olympic Committee
- **ODF –** Olympic Data Feed
- **ODF-RT** – Olympic Data Feed Real Time
- **RSC –** Results System Codes
- **SY –** Synchronised Swimming

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT401	ODF Principles for the Baku 2015 European Games	This document describes the general technical standards to be used at the European Games in Baku 2105
ODF/COD404	ODF Common Codes	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT402	ODF1 General Messages Interface	This document describes the ODF central and sport

Document Reference	Document Title	Document Description
	Document	messages in the ODF1 format
ODF/COD405	ODF Header Values	This document details the header values, showing which RSCs are used in which messages

2 Overall Perspective

2.1 Objective

The objective of this document is to focus on the formal definition of the ODF Synchronised Swimming Data Dictionary.

2.2 End to End data flow

The general rules as described in the documents referenced in the section 1.5 will have to be considered for a complete and formal definition. It is especially important the ODF1 General Messages Interface, since this ODF Synchronised Swimming Data Dictionary is a particularization of this document.

In the following sections, for each ODF sport message it will be explained in further detail those elements, attributes, codes, ODF header, the trigger and frequency for each message generation, as well as the sort of the message that are particular in the case of Synchronised Swimming.

Any ODF Synchronised Swimming message should follow all the previous definitions in order to be considered as an ODF compliant message.

Please note, that Synchronised Swimming ODF is provided as described in the document in an ODF1 format for all the sports messages.

3 Codes

Several codes are used in the definition of the messages in this document. Any code will be referenced the following way:

CC @CodeEntity

CodeEntity is the name of the entity that identifies a particular set of codes.

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise. Please refer to the Sport Codes paragraph of the ODF1 General Messages Interface Document to know the format of these codes.

Code Entity	**Code Entity Set of Values**	
~~CC @ComponentCode~~	~~Code~~	~~Description~~
	~~EXEC~~	~~Execution~~
	~~SYNC~~	~~Synchronisation~~
	~~DIFF~~	~~Difficulty~~
	~~CHOR~~	~~Choreography~~
	~~MI~~	~~Music Interpretation~~
	~~PRES~~	~~Manner of Presentation~~
CC @Function	Defined in ODF Common Codes Document See entity Function The entity's attribute to be used is Code In case of officials in DT_START_LIST use: For **Official @Function** use: RE Referee AR Assistant Referee E1 Execution judge 1 … E5 Execution judge 5 D1 Difficulty judge 1 ... D5 Difficulty judge 5 AI1 Artistic Impression judge 1 ... AI5 Artistic Impression judge 5 ALT_JDG1 Alternate Judge ALT_JDG2 Alternate Judge F1_1 Figure Panel 1 Judge 1 … F4_6 Figure Panel 4 Judge 6	
CC @IRM	Code	Description
	DNS	Did not start
	DSQ	Disqualified
CC @PanelType (Free routine:EX, DI and AI;	Code	Description
	AI	Artistic impression
	EX	Execution

~~Figures routine: F1, F2, F3 and F4~~)	DI	Difficulty
	~~F1~~	~~Figures 1~~
	~~F2~~	~~Figures 2~~
	~~F3~~	~~Figures 3~~
	~~F4~~	~~Figures 4~~
CC @Participation	Code	Description
	R	Reserve in free
CC @QualificationMark	Code	Description
	Q	Qualified for final
	R	Reserve Qualifying
CC @ResultType	Code	Description
	IRM	IRM status
	POINTS	Points
CC @RoutineType	Code	Description
	F	Free routine
	U	Figures
	C	Combination

4 Synchronised Swimming Data Extension

4.1 General Issues

The following sections extend and complete the information to be sent in each of the messages for this particular discipline, if some particularization is needed. If there are special considerations for any of the message types that have to be sent for this discipline, then they should be considered in the following sections. If nothing is mentioned for a particular message type, then the general rules, as defined in the ODF1 General Messages Interface Document, should be respected for the messages described in the chapter 5 of this document.

4.1.1 ODF header

Regarding to the ODF header values, you should also follow the description in the ODF Principles for the Baku 2015 European Games Document. However, the following attributes could be refined for each message type regarding to the header values:

- ODF Header: DocumentCode.

4.1.2 Attributes Definition

The attributes types are explained in the section “Formats used in ODF” of the ODF Principles for the Baku 2015 European Games Document. Please, refer to that document for further information.

5 Point in Time

5.1 Point in Time Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Synchronised Swimming, as well as the category of each message, which identifies if the message structure definition can be found either in the Central Messages or Sport Messages paragraph of the ODF1 General Messages Interface Document.

- The column “Message type” indicates the DocumentType that identifies a message
- The column “Message name” is the message name identified by the message type
- The column “Paragraph documented” indicates the paragraph where you should go to have the general definition for a particular Message type
- The column “Message used in this sport” indicates whether a message is used in particular for this sport or not. If it is not ticked (X), then the message should not be used for this sport
- The column “Message extended in this document” indicates whether a particular message has extended definition in regards to those that are general for all sports. Any message ticked (X) in this column should also be ticked in the “Message used in this sport column”. If one message has extended definition, it should be considered both, the extensions as well as the general rules for one message that is used in the case of the sport. However, if one particular message is not extended, then it should follow the general definition rules

Message Type	Message name	Paragraph documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_PARTIC	List of participants by discipline	Central	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	Central	X	X
DT_PARTIC_TEAMS	List of teams	Central	X	X
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central	X	X
DT_MEDALS	Medal standings	Central	Global **(ODF2 format)**	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global **(ODF2 format)**	
DT_HISTORIC_RECORD	Historical records	Central		
DT_GLOBAL_GM	Global good morning	Central	Global **(ODF2 format)**	

DT_GLOBAL_GN	Global good night	Central	Global **(ODF2 format)**	
DT_START_LIST	Start List	Sports	X	X
DT_RESULT	Event Unit Results	Sports	X	X
DT_PHASE_RESULT	Phase Results	Sports	X	X
DT_CUMULATIVE_RESULT	Cumulative Results	Sports	X	X
DT_POOL_STANDING	Pool Standings of group in a team competition	Sports		
DT_RANKING	Event Final ranking	Sports	X	
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_RECORD	Records	Sports		
DT_COMMUNICATION	Official Communication	Sports	X	
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	X
DT_GN	Discipline/venue good night	Sports	X	X
DT_CONFIG	Discipline configuration	Sports	X	X
DT_WEATHER	Event Unit Weather conditions	Sports		

5.1.1 List of participants by discipline/ List of participants by discipline update

5.1.1.1 Description

This message is the List of participants by discipline (and the update), for that discipline it is the list of athletes, and officials, as described in the ODF1 General Messages Interface Document.

5.1.1.2 Header Values

The definition in the ODF1 General Messages Interface Document is valid

5.1.1.3 Trigger and Frequency

The definition in the ODF1 General Messages Interface Document is valid and in the case when the venue results becomes owner of data.

5.1.1.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are:

- EventEntry

In the next section (message values), there is a more detailed definition.

5.1.1.5 Message Values

The following table lists the “List of participants by discipline/ update” optional attributes (defined in the ODF1 General Messages Interface Document) that are used in the case Synchronised Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant	GivenName	M	S(25)	Given name in WNPA format (mixed
	BirthDate	O	YYYYMMDD	Date of birth
	Height	O	N(3) 999	Height in centimetres for the athletes Send when this information is available
	Weight	O	N(3) 999	Weight in kilograms for the athletes Send when this information is available
	MainFunctionId	M	CC @Function	Main function

The following table describes in more detail the EventEntry element for the athlete in the case of Synchronised Swimming.

Element: EventEntry			
Type	**Code**	**Value**	**Description**
E_ENTRY	E_SUBSTITUTE	S(1)	For @Type: Send proposed type
			For @Code: Send proposed type
			For @Value: Send “Y” if the competitor it"s an alternative or N if it is not more.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
E_ENTRY /E_SUBSTITUTE	Reserve.	As soon as this information is available (this information can be sent in both messages)

5.1.1.6 Message sort

Please, follow the general definition.

5.1.2 List of accredited teams by discipline/ List of accredited teams by discipline update

5.1.2.1 Description

This message is the List of accredited teams by discipline (and the update) as described in the ODF1 General Messages Interface Document.

5.1.2.2 Header Values

The definition in the ODF1 General Messages Interface Document is valid

5.1.2.3 Trigger and Frequency

The definition in the ODF1 General Messages Interface Document is valid.

5.1.2.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are:

- TeamOfficials/TeamOfficial

In the next section (message values), there is a more detailed definition.

5.1.2.5 Message Values

The following table lists the “List of accredited teams by discipline/ update” optional attributes (defined in the ODF1 General Messages Interface Document) that are used in the case Synchronised Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competition /Team /TeamOfficials /Official	Function	M	CC @Function	Official"s function for the team

5.1.2.6 Message sort

Please, follow the general definition.

5.1.3 Start List

5.1.3.1 Description

This message is the Start List message as described in the ODF1 General Messages Interface Document.

5.1.3.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Header Values document.

5.1.3.3 Trigger and Frequency

Please, follow the general definition.

5.1.3.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface. Document that should be included in the case of Synchronised Swimming are:

- UnitDateTime (following the general rules for this element)
- UnitInfo
- Officials /Official
- Official /ExtOfficial
- Start /Competitor /EventUnitEntry
- Start /Competitor /Composition /Athlete /EventUnitEntry.

In the next section (message values), there is a more detailed definition.

5.1.3.5 Message Values

The following table lists the Start List optional attributes (defined in the ODF1 General Messages Interface Document) that are used in the case of Synchronised Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Officials /Official	Function	M	CC @Function	Send according to the codes.
	Order	M	Numeric	Send by order for each official in each function,
Start	StartOrder	O	Numeric	Start order of the competitor in the start list.
	SortOrder	M	Numeric	
Start /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete ID
	Order	M	Numeric	Send order according to the family name, given name, except for the reserves they will be in the bottom of the list.

The following table describes in more detail the UnitInfo element in the case of Synchronised Swimming.

Element: UnitInfo			
Type	**Code**	**Value**	**Description**
UI_SY	SY_PANEL_*y* Where *y*=CC @PanelType (By event unit)	S(1)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Sent "Y" if the event unit has that panel.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
UI_SY /SY_PANEL_y	Judges" Panels and theirs rounds.	when it is available

The following table describes in more detail the Official /ExtOfficial element in the case of Synchronised Swimming.

Element: Official /ExtOfficial			
Type	**Code**	**Value**	**Description**
EO_SY	SY_TSSC	S(1)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send "Y" if the official is member of Technical Synchronised Swimming Committee.
	SY_RESERVE	S(1)	For @Type: Send proposed type
			For @Code: Send proposed type
			For @Value: Send "Y" if the official it"s a reserve judge. Send only for judge.
	SY_PANEL_*y* Where *y*=CC @PanelType	S(1)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send "Y" if the judge it is in that panel. Only send for the Judges. Where *y*=CC @PanelType
	SY_INDEX	N(1)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Display Order for the Judges in the RT. 1..: Judges

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EO_SY /SY_TSSC	For know if the official is member of Technical Synchronised Swimming Committee.	As soon as it is known
EO_SY / SY_RESERVE	For know if the judge it"s a reserve.	As soon as it is known
EO_SY /SY_PANEL_*y*	For know in which panel will be the judge. Where y=CC @PanelType	As soon as it is known
EO_SY /SY_INDEX	Index for the Judges in the RT.	As soon as it is known Only apply for Judges (not included alternate judge)

The following table describes in more detail the Start /Competitor /EventUnitEntry element in the case of Synchronised Swimming.

Element: Start /Competitor /EventUnitEntry				
Type	**Code**	**Pos**	**Value**	**Description**
EUE_SY	SY_IRM		CC @IRM	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not sent anything
				For @Value: Indicator as supplied by OVR for DNS or other possible results before the race.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EUE_SY /SY_IRM	Invalid result mark supplied by OVR before the race.	If apply

The following table describes in more detail the Start /Competitor /Composition /Athlete /EventUnitEntry element in the case of Synchronised Swimming.

Element: Start /Competitor /Composition /Athlete /EventUnitEntry			
Type	**Code**	**Value**	**Description**
EUE_SY	SY_SUBSTITUTE	S(1)	For @Type: Send proposed type
			For @Code: Send proposed type
			For @Value: Send "Y" if the competitor it"s an alternative.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EUE_SY /SY_SUBSTITUTE	Reserve number.	Before the start of the session. Send only for the team event – not Duets.

5.1.3.6 Message sort

Please, follow the general definition.

5.1.4 Event Unit Results

5.1.4.1 Description

This message is the Event Unit Results message as described in the ODF1 General Messages Interface Document.

5.1.4.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Header Values document.

5.1.4.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following

- Solo, Duets, Teams
    - Qualification:
        - Official: After each session (Figures and Free Routine - Preliminary)
    - Final
        - Official: After the session (Free Routine - Final)

- Free Combination
    - Qualification, Final
        - Official: After the session (Free Routine - Final)

5.1.4.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are:

- UnitDateTime (following the general rules for this element)
    - Competitor /ExtendedResults /ExtendedResult

5.1.4.5 Message Values

The following table lists the Event Unit Results optional and/or extended attributes (defined in the ODF1 General Messages Interface Document), as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	String	Rank of the competitor in the corresponding event unit. This attribute is optional.
	RankEqual	O	S(1)	Y in the case of equalled rank
	ResultType	O	CC @ResultType	Result type. (see codes section)
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(3).N(3) 999.999	Result (Points) for the particular event unit.
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as
Result/ Competitor/ Composition/ Athlete	Order	M	Numeric	Sort by Family name, Given name.

Send UnitDateTime including also the @EndDate attribute

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element.

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_RESULTS	SY_SCR_*y* Where *y*=CC @PanelType (see codes section)			N(3).N(3) 999.999	For @Type: Send proposed type
					For @Code: Send proposed code Where *y*=AI,E,D for Free Routine
					For @Pos: Do not send anything.
					For @Value: Weighted score Total Points for that panel
		~~SY_*y* Where *y*=CC @ComponentCode (see codes section)~~		~~N(3).N(3) 999.999~~	~~For @Type: Send proposed type~~
					~~For @Code: Send proposed code Only for Free Routine~~
					~~For @Pos: Do not send anything.~~
					~~For @Value: Weighted score Points for that component~~
	SY_DIFF			N(2)N(3) 99.999	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Points behind (including penalties points)
	SY_R_PTY			-N(1)N(1) -9.9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Required penalty for all the panels
	SY_PTY			-N(1)N(1) -9.9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the points for penalty for all the panels

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
ER_RESULTS /SY_SCR_*y* Where *y*=CC @PanelType	Weighted score (Total Points by panel panel)	Always
~~SY_*y* Where *y*=CC @ComponentCode~~	~~Points by component in that Panel~~	~~If apply~~
ER_RESULTS /SY_DIFF	Points behind (including penalties points) for that event unit	Always

Type /Code	Description	Expected
ER_RESULTS /SY_R_PTY	Required penalty for that event unit	If apply
ER_RESULTS /SY_PTY	Send the points for penalty for that event	If apply

5.1.4.6 Message sort

Please, follow the general definition

5.1.5 Phase Results

5.1.5.1 Description

This message is the Phase Results message as described in the ODF1 General Messages Interface Document.

5.1.5.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Header Values document.

5.1.5.3 Trigger and Frequency

Please, follow the general definition.

5.1.5.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are:

- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

5.1.5.5 Message Values

The following table lists the Phase Results optional attributes (defined in the ODF1 General Messages Interface Document) that are used in the case of Synchronised Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	String	Rank of the competitor in the corresponding Phase.
	RankEqual	O	S(1)	Y in the case of equalled rank
	ResultType	O	CC @ResultType	Result type. (see codes section)
	Qualification Mark	O	CC @Qualification Mark	Indicates whether the team is qualified. Don"t send for the final. (only applies in Preliminary phase of Free routine) (see codes section)
	Result	O	N(3).N(3) 999.999	Result (Total points) after the phase Solo/Duets/Teams - For Preliminary is the Free Routine Preliminary Points plus Figures Points Solo/Duets/Teams - For Final is the Figures Points plus Free Routine Final Points Free Combination - For Preliminary is the Free Combination Routine Preliminary Points Free Combination - For Final is the Free Combination Routine Final Points
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the phase, if they were to be presented. It is mostly based on the rank, but it should be used to sort out disqualified teams.

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element

Element: Competitor /ExtendedResults /ExtendedResult				
Type	**Code**	**Extensions**	**Value**	**Description**
ER_RESULTS	SY_DIFF		N(2)N(3)99.999	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Value: Points behind. Send 0.000 for the leader.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
ER_RESULTS /SY_DIFF	Points behind.	Always

The following table describes in more detail the Competitor Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element in the case of Synchronised Swimming.

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult			
Type	**Code**	**Value**	**Description**
ER_SY	SY_*y* Where *y* = CC @Participation	S(Y)	For @Type: Send proposed type
			For @Code: Send proposed code Where *y* = CC @Participation (see codes section)
			For @Value: Send "Y" if the athlete has that participation indicator.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
ER_SY /SY_*y*	For know the participation indicator. Where *y* = CC @Participation	As soon as it is known.

5.1.5.6 Message sort

Please, follow the general definition.

5.1.6 Cumulative Results

5.1.6.1 Description

This message is the Cumulative Results message as described in the ODF1 General Messages Interface Document.

5.1.6.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Header Values document. The DocumentCode should be [DD][G][EEE]000 and the DocumentSubtype should be [DD][G][EEE][P][UU].

5.1.6.3 Trigger and Frequency

Please, follow the general definition

5.1.6.4 Message Structure

Please, follow the general definition.

5.1.6.5 Message Values

Now, it is redefined the attributes of the optional elements in the generic message that are necessary in the case of Synchronised Swimming.

Element	Attribute	M/O	Value	Comments
Cumulative Result	Rank	O	String	Overall Rank of the competitor after the phase.
	RankEqual	O	S(1)	It must send always that the attribute Rank is send, it identify if a rak has been equalled. Send N if it has not more
	ResultType	O	CC @ResultTyp e	Result type. (see codes section)
	QualificationMar k	O	CC @Qualificati onMark	Indicates whether the team is qualified for next round is confirmed. Don"t send for the final. (only applies in Preliminary phase) (see codes section)
	Result	O	N(3).N(3) 999.999	Result (Total points) after the phase Solo/Duets/Teams - For Preliminary is the Free Routine Preliminary Points plus Figures Points Solo/Duets/Teams - For Final is the Figures Points plus Free Routine Final Points
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results, if they were to be presented. It is mostly based on the rank, but it should be used to sort out disqualified teams. Always
ResultItems /ResultItem	Phase	M	CC @Phase	
	Unit	M	CC @Unit	
Result	Rank	O	String	Rank of the competitor in the corresponding event unit. This attribute is optional.
	RankEqual	O	S(1)	Y in the case of equalled rank
	ResultType	O	CC @ResultTyp e	Result type. (see codes section)

Element	Attribute	M/O	Value	Comments
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(3).N(3) 999.999	Result (Points) for the particular event unit.
	SortOrder	M	Numeric	Competitor order within event

The following table describes in more detail the UnitInfo element in the case of Synchronised Swimming.

Element: ExtendedInfos/ ExtendedInfo			
Type	**Code**	**Value**	**Description**
EI_SY	SY_LAST_QUAL	S(20) with no leading zeroes	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the last qualifying position ID

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EI_SY /SY_LAST_QUAL	Send the last qualifying position ID Only for Duets Free routine Preliminary	As soon as it is known

5.1.6.6 Message sort

Please, follow the general definition

5.1.7 Event's Medallists

5.1.7.1 Description

This message is the Event"s Medallists message as described in the ODF1 General Messages Interface Document.

In the case of Synchronised Swimming, the message has to be sent for all the competition events, as listed in the header values section.

5.1.7.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Header Values document.

5.1.7.3 Trigger and Frequency

In the case of Synchronised Swimming, the message has to be sent 2 minutes after the results of the final race are approved.

5.1.7.4 Message Structure

Please, follow the general definition.

5.1.7.5 Message Values

Please, follow the general definition.

5.1.7.6 Message sort

Please, follow the general definition.

5.1.8 Discipline/venue good morning

5.1.8.1 Description

This message is the Discipline/venue good morning message as described in the ODF1 General Messages Interface Document.

5.1.8.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.8.3 Trigger and Frequency

Please, follow the general definition.

5.1.8.4 Message Structure

Please, follow the general definition.

5.1.8.5 Message Values

Please, follow the general definition.

5.1.8.6 Message sort

Please, follow the general definition.

5.1.9 Discipline/venue good night

5.1.9.1 Description

This message is the Discipline/venue good night message as described in the ODF1 General Messages Interface Document.

5.1.9.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.9.3 Trigger and Frequency

Please, follow the general definition.

5.1.9.4 Message Structure

Please, follow the general definition.

5.1.9.5 Message Values

Please, follow the general definition.

5.1.9.6 Message sort

Please, follow the general definition.

5.1.10 Discipline Configuration

5.1.10.1 Description

This message is the Event unit configuration message as described in the ODF1 General Messages Interface Document.

5.1.10.2 Header Values

Please, follow the general definition.

5.1.10.3 Trigger and Frequency

Please, follow the general definition.

5.1.10.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are: ExtendedConfigItem

5.1.10.5 Message Values

Send the attributes and codes according to the tables described in this section.

The following table lists the Discipline configuration optional attributes (defined in the ODF1 General Messages Interface Document) that are used in the case of Synchronised Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Config	Gender	M	CC @Gender	
	Event	M	CC @Event	
	Phase	O	CC @Phase	
	Unit	O	CC @Unit	

The following table describes in more detail the Competition ExtendedConfig element.

Element: ExtendedConfig				
Type	**Code**	**Pos**	**Value**	**Description**
EC_QUALIFICATION (By event unit)	SY_QUALRULES		String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Qualification rule text
	SY_RANK_QUALFNL	N(1) 0	String	For @Type: Send proposed type
				For @Code: Send proposed code for the qualification rule. SY_RANK_QUALFNL is the code that indicates the qualification for final based on rank.
				For @Pos: Send 1 to indicate first rank included in the @Code rule. Send 2 to indicate last rank included in the @Code rule.

Element: ExtendedConfig				
Type	**Code**	**Pos**	**Value**	**Description**
				For @Value: Send the rank according to @Code rule and @Pos
EC_SY	SY_EVENT_CODE		String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: The Event code for this event. Example: “T”, “D”.

For the table above, we have the following additional/summary information

Type /Code	Description	Expected
EC_QUALIFICATION /SY_QUALRULES	It"s the Qualification rules for the competitor by event unit.	When was available. Only for Duets Free Routine preliminary
EC_QUALIFICATION /SY_RANK_QUALFNL	Qualification for next round based on rank.	Always if the rule applies to the competition Only for Duets Free Routine preliminary
EC_SY /SY_EVENT_CODE	Event code	when it is available

5.1.10.6 Message sort

Please, follow the general definition.

6 Real time

The following chapter describes the ODF-RT part of Synchronised Swimming.

6.1 Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Synchronised Swimming the same way as it is done in the table of chapter 4.

Message Type	Message name	Paragraph documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports	X	X

6.1.1 RT Event Unit Results

6.1.1.1 Description

This message is the RT Event Unit Results message as described in the ODF1 General Messages Interface Document.

6.1.1.2 Header Values

The ODF header will be sent according to the ODF Common Codes document.

6.1.1.3 Trigger and Frequency

The following is the trigger for this message in ODF-RT:

- ResultStatus="LIVE_UPDATE"
    - T1: Trigger at the beginning of the event unit.
    - T2: Trigger when any team notified with IRM.
    - T3: Trigger after each team routine.
    - T4: Trigger when the competitor becomes current.
    - T5: Trigger when the competitor becomes previous.
    - T6: Trigger after one change in the scores.

for the other ResultStatus, please, follow the general definition.

6.1.1.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Synchronised Swimming are:

- UnitInfo
- Competitor /ExtendedResults /ExtendedResult

Please, follow the general considerations for all the different type of messages.

In the next section (message values), there is a more detailed definition.

6.1.1.5 Message Values

The following table describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	String	Rank of the competitor in the corresponding event unit. This attribute is optional.	T3, T6
	RankEqual	O	S(1)	Y in the case of equalled rank and N in the case of tie break.	
	ResultType	O	CC @ResultType	Result type, either points or IRM for the corresponding event unit (see codes section)	T2, T3, T6

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM, or both time and IRM (see codes section)	T2
	Result	O	N(3).N(3) 999.999	Result (Points) for the particular event unit.	T3, T6
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event	When was available
Result/ Competitor/	Order	M	Numeric	Sort the team members by Family Name except for reserve who is last.	Always

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element.

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_SY	SY_CURRENT			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send "Y" if this competitor has most recently started. Send N if it is not more.
	SY_PREVIOUS			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send "Y" if the results for that competitor has been recorded. Send N if it is not more.
ER_RESULTS	SY_SCR_*y* Where *y*=CC @PanelType (see codes section)			N(3).N(3) 999.999	For @Type: Send proposed type
					For @Code: Send proposed code Where *y*= AI,E,D for Free Routine
					For @Pos: Do not send anything.
					For @Value: Weighted score Total Points for that panel
		~~SY_*y* Where *y*=CC @ComponentCode (see codes section)~~		~~N(3).N(3) 999.999~~	~~For @Type: Send proposed type~~
					~~For @Code: Send proposed code Only for Free Routine~~
					~~For @Pos: Do not send anything.~~
					~~For @Value: Weighted score Points for that component~~
	SY_R_PTY			-N(1)N(1) -9.9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					For @Value: Required penalty for all the panels
	SY_PTY			-N(1)N(1) -9.9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the points for penalty for all the panels
	SY_PTS_QUAL			N(2).N(3) 99.999 Or -	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: The amount of points the current duet has to achieve to qualify (achieve pos12). This of course will be „-„ until 12 duets have performed. Only apply for Free Routine Preliminary duets.
	SY_PTS_MEDAL		N(1) 0	N(2).N(3) 99.999 Or -	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send 1, 2, 3 Send 1 for points for gold Send 2 for points for silver Send 3 for points for bronze
					For @Value: The amount of points the current duet/team has to achieve gold (@pos=1), silver (@pos=2) and bronze (@pos=3) medal positions. Use „-„ until 3 duets have performed for Free Routine Final. Only apply for Free Routine Finals duets and Free Routine Teams.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
ER_SY /SY_CURRENT	Value should appear in this row when the referee confirms that the first/next solo athlete/duet/team (including Free Combination event) is to be called to perform, and the duet/team is indicated as Current on the Scoring Console, and returns to Null when the team becomes the 'Last Scored'	T4, T5
ER_SY /SY_PREVIOUS	Value should appear as soon as the result for a team has been recorded. When another team becomes “Last Scored” the value should again become “N”	T5, T4
ER_RESULTS /SY_SCR_*y* Where *y*=CC @PanelType	Weighted score (Total Points by panel panel)	T3, T6
~~SY_*y*~~ ~~Where *y*=CC @ComponentCode~~	~~Points by component in that Panel~~	~~If apply~~

Type /Code	Description	Expected
ER_RESULTS /SY_R_PTY	Required penalty for that event unit	If apply
ER_RESULTS /SY_PTY	Send the points for penalty for that event unit	If apply
ER_RESULTS/ SY_PTS_QUAL	The amount of points the current duet has to achieve to qualify.	T4, T5 Only for Free Routine Preliminary
ER_RESULTS/ SY_PTS_MEDAL	the amount of points the current duet has to achieve gold, silver and bronze medal positions	T4, T5 Only for Free Routine Finals Duets and Free Routine Teams.

6.1.1.6 Message sort

Please, follow the general definition.

6.1.2 RT Cumulative Results

6.1.2.1 Description

This message is the RT Cumulative Results message as described in the ODF1 General Messages Interface Document.

6.1.2.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Header Values document. The DocumentCode should be [DD][G][EEE]000 and the DocumentSubtype should be [DD][G][EEE][P][UU].

6.1.2.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following

- T1: Trigger after each team routine
- T2: Trigger when any competitor notified as IRM

6.1.2.4 Message Structure

Please, follow the general definition.

6.1.2.5 Message Values

Now, it is redefined the attributes of the optional elements in the generic message that are necessary in the case of Synchronised Swimming.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Cumulative Result	Rank	O	String	Overall Rank of the competitor after the phase.	T1
	RankEqual	O	S(1)	It must send always that the attribute Rank is send, it identify if a rak has been equalled. Send N if it has not more	
	ResultType	O	CC @ResultTyp e	Result type. (see codes section)	T1
	QualificationMar k	O	CC @Qualificati onMark	Indicates whether the team is qualified for next round is confirmed. Don"t send for the final. (only applies in Preliminary phase) (see codes section)	When apply
	Result	O	N(3).N(3) 999.999	Result (Total points) after the phase Solo/Duets/Teams - For Preliminary is the Free Routine Preliminary Points plus Figures Points Solo/Duets/Teams - For Final is the Figures Points plus Free Routine Final Points	T1
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results, if they were to be presented. It is mostly based on the rank, but it should be used to sort out disqualified teams.	Always

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
ResultItems /ResultItem	Phase	M	CC @Phase		Always
	Unit	M	CC @Unit		Always
Result	Rank	O	String	Rank of the competitor in the corresponding event unit. This attribute is optional.	T1
	RankEqual	O	S(1)	Y in the case of equalled rank	T1
	ResultType	O	CC @ResultTyp e	Result type. (see codes section)	T1, T2
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)	T1, T2
	Result	O	N(3).N(3) 999.999	Result (Points) for the particular event unit.	T1
	SortOrder	M	Numeric	Competitor order within event	Always

The following table describes in more detail the UnitInfo element in the case of Synchronised Swimming.

Element: ExtendedInfos/ ExtendedInfo			
Type	**Code**	**Value**	**Description**
EI_SY	SY_LAST_QUAL	S(20) with no leading zeroes	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the last qualifying position ID

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EI_SY /SY_LAST_QUAL	Send the last qualifying position ID Only for Duets Free routine Preliminary	As soon as it is known

6.1.2.6 Message sort

Please, follow the general definition.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R-SEG-2015 V1.0	04 February 2015	Submitted for review version
R-SEG-2015 V1.1	18 February 2015	Submitted for approval version and some corrections/additions
R-SEG-2015 V1.2	25 February 2015	Approved version
R-SEG-2015 V1.3	27 February 2015	Approved version and some minor corrections
R-SEG-2015 V1.4	19 March 2015	Approved version and some minor corrections

File reference: ODF/INT433 R-SEG-2015 V1.4 APP

Change Log

Version	Status	Changes on version
R-SEG-2015 V1.0	SFR	• First version
R-SEG-2015 V1.1	SFA	• Submitted for approval • DT_PARTIC: for the attribute E_SUBSTITUTE the reference to team event is removed since there can be Reserve for all Duet, Team and Free Combination events • DT_RESULT/DT_RT_RESULT: The analysis of the attribute SY_R_PTY is added in the tables • DT_RT_RESULT: A clarification is added for the attribute SY_CURRENT
R-SEG-2015 V1.2	APP	• Approved version
R-SEG-2015 V1.3	APP	• Approved version • Exclusions on the attributes related to the Qualification phase are removed since there's Qualification phase for all events in Baku European Games • DT_RESULT/DT_RT_RESULT: One of the two 'SY_PTY' attributes is corrected to 'SY_R_PTY'
R-SEG-2015 V1.4	APP	• Approved version • DT_RESULT/DT_RT_RESULT: Any reference to 'ComponentCode' is removed; ComponentCode doesn't exist anymore for Synchro! There is only PanelType • §2 - Codes / @PanelType: The F1-F4 are removed

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